



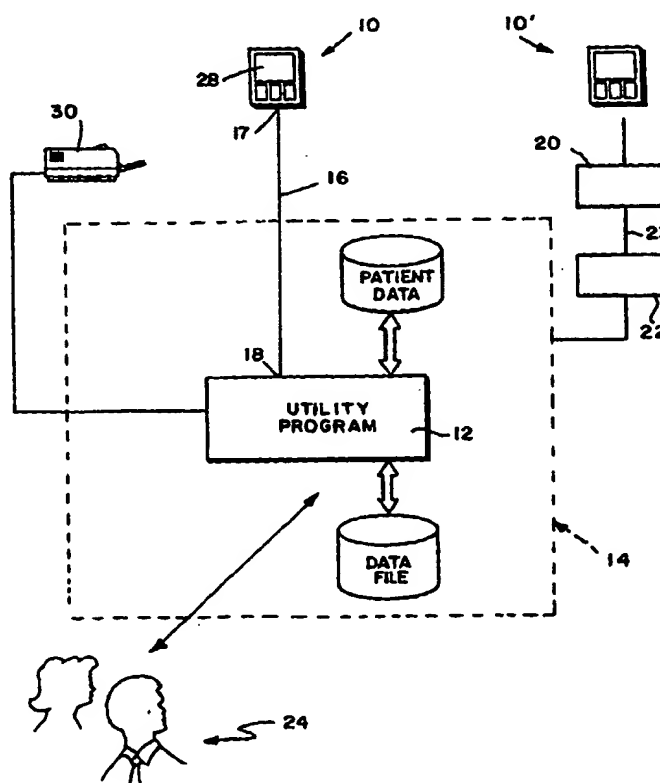
## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>A61B 5/00</b>	<b>A1</b>	(11) International Publication Number: <b>WO 99/27849</b>
		(43) International Publication Date: 10 June 1999 (10.06.99)
<p>(21) International Application Number: PCT/US98/25850</p> <p>(22) International Filing Date: 4 December 1998 (04.12.98)</p> <p>(30) Priority Data: 60/067,499 4 December 1997 (04.12.97) US</p> <p>(71)(72) Applicants and Inventors: <u>BATMAN, Carol, Jane</u> [US/US]; 5318 Ochs Avenue, Indianapolis, IN 46254 (US). <u>BYRD, Nancy, Kennedy</u> [US/US]; 9758 Chaldean Circle, Fishers, IN 46038 (US). <u>DISHOP, Timothy, L.</u> [US/US]; 4924 Long Canon Place, Fort Wayne, IN 46804 (US). <u>DZADO, Michael, Daniel</u> [US/US]; 1754 CR 60, Garrett, IN 46738 (US). <u>HENDERSON, Les, G.</u> [US/US]; 6345 East 226th Street, Cicero, IN 46034 (US). <u>HOPKINSON, Patricia, A.</u> [US/US]; HRC #1, Box 11, Lake Placid, NY 12946 (US). <u>MOAK, Stephen, E.</u> [US/US]; 411 Inwood Drive, Fort Wayne, IN 46815 (US). <u>PARKER, James, R.</u> [US/US]; 10807 Weston Drive, Carmel, IN 46032-9321 (US). <u>POLASKI, Frank, M.</u> [US/US]; 10732 Current Cove, Fort Wayne, IN 46845 (US). <u>SHEARER, Atwell, R.</u> [US/US]; P.O. Box 165, Rome City, IN 46784 (US). <u>TEZLAFF, Tracy, L.</u> [US/US]; Apartment 106, 5607 Elmer Street, Pittsburgh, PA 15232 (US).</p>		<p>(74) Agent: CONARD, Richard, D.; Barnes &amp; Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (US).</p> <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>

(54) Title: INSTRUMENT SETUP UTILITY PROGRAM

## (57) Abstract

A method of configuring a hand-held instrument (10) for determining the concentration of a medically significant component of a body fluid or a control comprises providing a configuring computer (14) having a first port (18) for transmitting instructions and data for configuring the instrument (10), providing on the instrument (10) a second port (17) for receiving the instructions and data from the configuring computer (14), coupling the first port (18) to the second port (17), transmitting instructions and data to configure the instrument (10) from the first port (18), receiving the instructions and data at the second port (17), and configuring the instrument (10) according to the instructions and data transmitted from the first port (10) and received at the second port (17).



**FOR THE PURPOSES OF INFORMATION ONLY**

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav	TM	Turkmenistan
BF	Burkina Faso	GR	Greece		Republic of Macedonia	TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
BY	Belarus	IS	Iceland	MW	Malawi	US	United States of America
CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NO	Norway	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's	NZ	New Zealand		
CM	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CU	Cuba	KZ	Kazakstan	RO	Romania		
CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		

## INTERNATIONAL SEARCH REPORT

 International application No.  
PCT/US98/25850

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : A61B 5/00

US CL : 128/630

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 128/630, 128/695, 128/770, 128/202.22, 395/275, 250/339.09, 128/696, 604/65, 128/775

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

APS, Internet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,361,336 A (ATCHISON) 01 November 1994, abstract, col 2 line 66-68, col 4 line 29, col 6 line 42	1-32
Y	US 5,606,164 A (PRICE) 25 February 1997, abstract	1-32
Y	US 5,619,991 A (SLOANE) 15 April 1997 col 6 line 15, col 8 line 46, 59	1-32
A	US 5,630,664 A (FARRELLY) 20 May 1997	1-32
A	US 4,637,403 A (GARCIA ET AL) 20 January 1987	1-32
A,P	US 5,724,983 A (SELKER ET AL) 10 March 1998	1-32

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
*A* document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
*E* earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*G* document member of the same patent family
*O* document referring to an oral disclosure, use, exhibition or other means	
*P* document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

08 APRIL 1999

Date of mailing of the international search report

11 MAY 1999

 Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

ASTA, FRANK

Telephone No. (703) 305-3817

**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US98/25850

**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,368,562 A (BLOMQUIST ET AL), 29 November 1994	1-32
A,P	US 5,735,285 (ALBERT ET AL), 07 April 1998	1-32



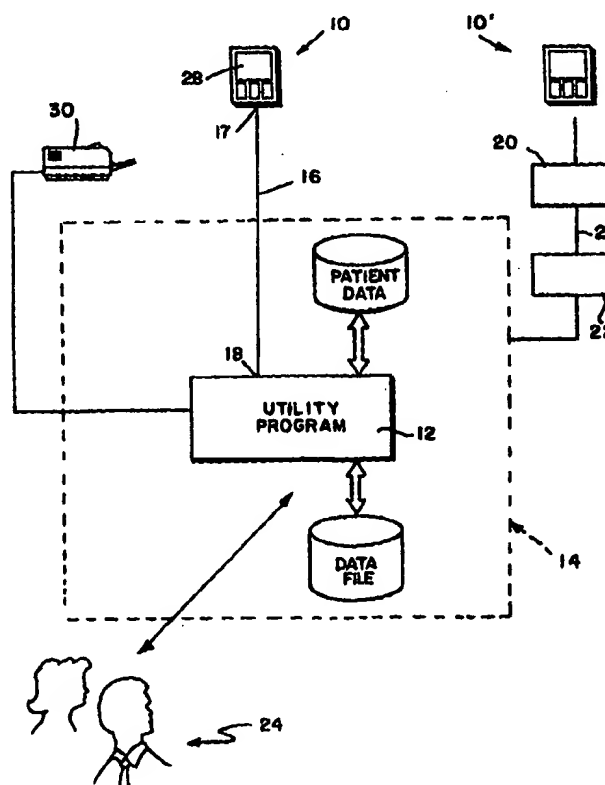
## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>A61B 5/00</b>		(11) International Publication Number: <b>WO 99/27849</b>
<b>A1</b>		(43) International Publication Date: 10 June 1999 (10.06.99)
(21) International Application Number: PCT/US98/25850		(74) Agent: CONARD, Richard, D.; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (US).
(22) International Filing Date: 4 December 1998 (04.12.98)		
(30) Priority Data: 60/067,499 4 December 1997 (04.12.97) US		
(71)(72) Applicants and Inventors: BATMAN, Carol, Jane [US/US]; 5318 Ochs Avenue, Indianapolis, IN 46254 (US). BYRD, Nancy, Kennedy [US/US]; 9758 Chaldean Circle, Fishers, IN 46038 (US). DISHOP, Timothy, J. [US/US]; 4924 Long Canon Place, Fort Wayne, IN 46804 (US). DZADO, Michael, Daniel [US/US]; 1754 CR 60, Garrett, IN 46738 (US). HENDERSON, Les, G. [US/US]; 6345 East 226th Street, Cicero, IN 46034 (US). HOPKINSON, Patricia, A. [US/US]; HRC #1, Box 11, Lake Placid, NY 12946 (US). MOAK, Stephen, E. [US/US]; 411 Inwood Drive, Fort Wayne, IN 46815 (US). PARKER, James, R. [US/US]; 10807 Weston Drive, Carmel, IN 46032-9321 (US). POLASKI, Frank, M. [US/US]; 10732 Current Cove, Fort Wayne, IN 46845 (US). SHEARER, Atwell, R. [US/US]; P.O. Box 165, Rome City, IN 46784 (US). TETZLAFF, Tracy, L. [US/US]; Apartment 106, 5607 Elmer Street, Pittsburgh, PA 15232 (US).		
		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
		Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: INSTRUMENT SETUP UTILITY PROGRAM

## (57) Abstract

A method of configuring a hand-held instrument (10) for determining the concentration of a medically significant component of a body fluid or a control comprises providing a configuring computer (14) having a first port (18) for transmitting instructions and data for configuring the instrument (10), providing on the instrument (10) a second port (17) for receiving the instructions and data from the configuring computer (14), coupling the first port (18) to the second port (17), transmitting instructions and data to configure the instrument (10) from the first port (18), receiving the instructions and data at the second port (17), and configuring the instrument (10) according to the instructions and data transmitted from the first port (10) and received at the second port (17).



**FOR THE PURPOSES OF INFORMATION ONLY**

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece			TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
BY	Belarus	IS	Iceland	MW	Malawi	US	United States of America
CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NO	Norway	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	NZ	New Zealand		
CM	Cameroon			PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CU	Cuba	KZ	Kazakstan	RO	Romania		
CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 14 FEB 2000

WIPO PCT

Applicant's or agent's file reference 5727-29185	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US98/25850	International filing date (day/month/year) 04 DECEMBER 1998	Priority date (day/month/year) 04 DECEMBER 1997
International Patent Classification (IPC) or national classification and IPC IPC(6): A61B 5/00 and US Cl.: 128/630, 671,,200.14,762		
Applicant BATMAN, CAROL JANE		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets.
- ☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).
- These annexes consist of a total of 0 sheets.

## 3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of report with regard to novelty, inventive step or industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☒ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand  09 JUNE 1999	Date of completion of this report  21 JANUARY 2000
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer  ASTA FRANK <i>James R. Matthews</i>
Facsimile No. (703) 305-3230	Telephone No. (703) 305-3817

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/25850

## I. Basis of the report

1. This report has been drawn on the basis of *(Substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments)*:

- ☒ the international application as originally filed.
- ☒ the description, pages 1-15 , as originally filed.  
pages NONE , filed with the demand.  
pages NONE , filed with the letter of \_\_\_\_\_.  
pages \_\_\_\_\_ , filed with the letter of \_\_\_\_\_.
- ☒ the claims, Nos. 1-32 , as originally filed.  
Nos. NONE , as amended under Article 19.  
Nos. NONE , filed with the demand.  
Nos. NONE , filed with the letter of \_\_\_\_\_.  
Nos. \_\_\_\_\_ , filed with the letter of \_\_\_\_\_.
- ☒ the drawings, sheets/fig 1-44 , as originally filed.  
sheets/fig NONE , filed with the demand.  
sheets/fig NONE , filed with the letter of \_\_\_\_\_.  
sheets/fig \_\_\_\_\_ , filed with the letter of \_\_\_\_\_.

2. The amendments have resulted in the cancellation of:

- ☒ the description, pages NONE .
- ☒ the claims, Nos. NONE .
- ☒ the drawings, sheets/fig NONE .

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the ~~Supplemental Box~~ Additional observations below (Rule 70.2(c)).

4. Additional observations, if necessary:

NONE



## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/25850

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. STATEMENT**

Novelty (N)	Claims <u>1-32</u>	YES
	Claims <u>NONE</u>	NO
Inventive Step (IS)	Claims <u>NONE</u>	YES
	Claims <u>1-32</u>	NO
Industrial Applicability (IA)	Claims <u>1-32</u>	YES
	Claims <u>NONE</u>	NO

**2. CITATIONS AND EXPLANATIONS**

Claims 1-32 lack an inventive step under PCT Article 33(3) as being obvious over Farrelly (US 5,630,664) in view of Price et al (US 5,606,164).

As per claim 1, Farrelly taught a hand-held instrument for determining the concentration of a medically significant component of body fluid such as controllable electronic instrument (col 2 line 55); the steps of providing a configuring computer having a first port or signal port (col 8 line 3) for transmitting at least one set of instructions and data for configuring the instrument (col 5 line 50); the second port or data port (col 10 line 10).

As per claims 2, 3 and 4, Farrelly taught the steps of providing a configuring computer having a first port for transmitting instructions for configuring the instrument (col 8 line 3, col 5 line 50).

Claims 3,6,7,11-16,,26-32 contain the similar limitation as claims 1 and 2. Therefore claims 3,6,7,11-16,26-32 lack an inventive step as being obvious over Farrelly.

Claims 17-19 contain the similar limitation as claim 4.

As per claim 5, Farrelly taught the display (col 8 line 12).

As per claims 6, 23-25, Farrelly did not teach a display in formation related to the determined concentration of a medically significant component of a body fluid from the instrument or first port to computer or second port and updating a computer file. However Price et al, in his method and apparatus for Biological fluid analyte concentration measurement using generalized distance outlier detection, taught an apparatus for biological fluid analyte concentration measurement (Price col 8 line 55). Therefore, it would have been obvious to one having ordinary skill in the art at the time invention was made to incorporate the apparatus which analyte or determine concentration of body fluid taught by Price into the Farrelly's hand-held device in order to utilize the communication between the computer control the data from body fluid to hand held device.

As per claims 8-10, Farrelly-Price taught the computer of hand held computer (Farrelly col 2 line 1) and updating or modification (Farrelly col 16 line 64).

As per claims 29 and 30, Farrelly -Price taught the body fluid (Continued on Supplemental Sheet.)

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/25850

**VI. Certain documents cited****1. Certain published documents (Rule 70.10)**

<u>Application No. Patent No.</u>	<u>Publication Date (day/month/year)</u>	<u>Filing Date (day/month/year)</u>	<u>Priority date (valid claim) (day/month/year)</u>
US,A, 5,606,164	25 FEBUARY 1997	16 JANUARY 1996	NONE
US, A, 5,630,664	20 MAY 1997	20 DECEMBER 1995	NONE
US, A, 5,361,336	01 NOVEMBER 1994	21 NOVEMBER 1991	NONE
US, A, 5,368,562	29 NOVEMBER 1994	30 JULY 1993	NONE
US, A, 4,637,403	20JANUARY 1987	14 JUNE 1985	08 APRIL 1985
US, A, 5,619,991	15 APRIL 1997	26 APRIL 1995	NONE

**2. Non-written disclosures (Rule 70.9)**

<u>Kind of non-written disclosure</u>	<u>Date of non-written disclosure (day/month/year)</u>	<u>Date of written disclosure referring to non-written disclosure (day/month/year)</u>
---------------------------------------	--	--

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/25850

**Supplemental Box**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

V. 2. REASONED STATEMENTS - CITATIONS AND EXPLANATIONS (Continued):

such as blood (Price col 1 line 42); fiber optic and modem as the inherent features of hand held computer.

----- NEW CITATIONS -----

US 5,570,682 A (JOHNSON) 05 November 1996

US 4,696,309 A (STEPHAN) 29 September 1987

US 4,383,534 A (PETERS) 17 May 1983

## PATENT COOPERATION TREATY

09/555718

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING  
OF A CHANGERECEIVED  
MAR 23 2000(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

To:

CONARD, Richard, D.  
Barnes & Thornburg  
11 South Meridian Street  
Indianapolis, IN 46204  
ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 07 March 2000 (07.03.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 5727-29185	
International application No. PCT/US98/25850	International filing date (day/month/year) 04 December 1998 (04.12.98)

## 1. The following indications appeared on record concerning:

☒ the applicant ☒ the inventor ☐ the agent ☐ the common representative

Name and Address DZADO, Michael, Daniel 1754 CR 60 Garrett, IN 46738 United States of America	State of Nationality US	State of Residence US
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person ☐ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

## 3. Further observations, if necessary:

the applicant/inventor has been deleted from the record.

## 4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned  
☐ the International Searching Authority ☒ the elected Offices concerned  
☐ the International Preliminary Examining Authority ☐ other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer F. Gateau Telephone No.: (41-22) 338.83.38
---	---

DO/EO BIBLIOGRAPHIC DATA ENTRY

SERIAL NUMBER:	09 / 555718	RECEIPT DATE:	06 / 02 / 00
IA NUMBER: PCT/	US98 / 25850	IA FILING DATE:	12 / 04 / 98
FAMILY NAME:	BATMAN	DELAY WAIVED (Y/N):	N
GIVEN NAME:	CAROL JANE	DEMAND RECEIVED (Y/N):	N
PRIORITY CLAIMED (Y/N):	Y	PRIORITY DATE:	12 / 04 / 97
NO BASIC FEE (Y/N):	N	US DESIGNATED ONLY (Y/N):	N
ATTORNEY DOCKET NUMBER:	5727-65998	COUNTRY:	
CORRESPONDENCE NAME/ADDRESS:	CUSTOMER NUMBER: 000000	TELEPHONE	0000000000
		FAX	
NAME:	RICHARD D CONARD		
	BARNES & THORNBURG		
STREET:	11 SOUTH MERIDIAN STREET		
CITY:	INDIANAPOLIS		
STATE/COUNTRY:	IN	ZIP:	46204
EMAIL:			
APPLICATION TITLES:			
	INSTRUMENT SETUP UTILITY PROGRAM		

TAB TO LAST POSITION,PUSH SEND

U.S. Appl. No.

09 / 555 788

## DO / EO WORKSHEET

International Appl. No.

US98 / 25850

Application filed by :

☐ 20 months☒ 30 months

## WIPO PUBLICATION INFORMATION :

Publication No.: WO 99 / 27849

Publication Language : ☒ English ☐ Japanese

Screening Done by :

Publication Date : June 10, 1999

☐ German ☐ French ☐ Other :Not Published : ☐ U.S. only designated ☐ EP request

JLA

## INTERNATIONAL APPLICATION PAPERS IN THE APPLICATION FILE :

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> International Application (RECORD COPY)   | <input type="checkbox"/> International Appl. on Double Sided Paper (COPIES MADE) |
| <input type="checkbox"/> Article 19 Amendments                                | <input checked="" type="checkbox"/> Request form PCT/RO/101                      |
| <input checked="" type="checkbox"/> PCT/IB/331                                | <input checked="" type="checkbox"/> PCT/ISA/210 - Search Report                  |
| <input checked="" type="checkbox"/> PCT/IPEA/409 IPER (PCT/IPEA/416 on front) | <input checked="" type="checkbox"/> Search Report References                     |
| <input type="checkbox"/> Annexes to 409                                       | <input checked="" type="checkbox"/> Other : 306                                  |
| <input type="checkbox"/> Priority Document (s) No. _____                      |  |

## RECEIPTS FROM THE APPLICANT (other than checked above) :

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Basic National Fee (or authorization to charge)   | <input checked="" type="checkbox"/> Preliminary Amendment(s) Filed on :<br>1. June 2, 2000 2. _____ 3. _____ |
| <input checked="" type="checkbox"/> Description   | <input type="checkbox"/> Information Disclosure Statement(s) Filed on :<br>1. _____ 2. _____ 3. _____        |
| <input checked="" type="checkbox"/> Claims  | <input type="checkbox"/> Assignment Document   |
| <input checked="" type="checkbox"/> Words in the Drawing Figure(s)  | <input type="checkbox"/> Power of Attorney/ Change of Address  |
| <input type="checkbox"/> Article 19 Amendments<br><input type="checkbox"/> english transl. of annexes NOT present<br><input type="checkbox"/> entered <input type="checkbox"/> not entered :<br><input type="checkbox"/> not a page for page substitution<br><input type="checkbox"/> other : _____ | <input type="checkbox"/> Substitute Specification Filed on :<br>1. _____ 2. _____                            |
| <input type="checkbox"/> Annexes to 409<br><input type="checkbox"/> english transl. of annexes NOT present<br><input type="checkbox"/> entered <input type="checkbox"/> not entered :<br><input type="checkbox"/> not a page for page substitution<br><input type="checkbox"/> other : _____        | <input type="checkbox"/> Verified Small Status Statement (executed)  |
|   | <input checked="" type="checkbox"/> Oath/ Declaration (executed)   |
|   | <input type="checkbox"/> DNA Diskette  |
|   | <input type="checkbox"/> Other : 1. _____ 2. _____   |

## NOTES :

☒ I.A. used as Specification ☐ Other :

35 U.S.C. 371 - Receipt of Request (PTO-1390)

June 2, 2000

Date Acceptable Oath/ Declaration Received

Jan 12, 2001

Date of Completion of requirements under 35 U.S.C. 371

Jan 12, 2001

102(e) Date

Jan 12, 2001

Date of Completion of DO/ EO 906 - Notification of Missing 102(e) Requirements

Date of Completion of DO/ EO 907 - Notification of Acceptance for 102(e) Date

Date of Completion of DO/ EO 911 - Application Accepted Under 35 U.S.C. 111

Date of Completion of DO/ EO 905 - Notification of Missing Requirements

6/29/00

Date of Completion of DO/ EO 916 - Notification of Defective Response

Date of Completion of DO/ EO 903 - Notification of Acceptance

April 18, 2002

Date of Completion of DO/ EO 909 - Notification of Abandonment

M/E  
P/TER  
L. 5/2/01From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY**PCT**NOTIFICATION OF TRANSMITTAL OF  
INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT

(PCT Rule 71.1)

To: RICHARD D. CONARD  
BARNES & THORNBURG  
11 SOUTH MERIDIAN STREET  
INDIANAPOLIS, IN 46204Date of Mailing  
(day/month/year)**09 FEB 2000**Applicant's or agent's file reference  
5727-29185**IMPORTANT NOTIFICATION**

International application No.

PCT/US98/25850

International filing date (day/month/year)

04 DECEMBER 1998

Priority Date (day/month/year)

04 DECEMBER 1997

Applicant

BATMAN, CAROL JANE

FEB 14 2000

**BARNES & THORNBURG**

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

FRANK ASTA

Telephone No. (703) 305-3817

*James R. Matthews*

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 5727-29185	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US98/25850	International filing date (day/month/year) 04 DECEMBER 1998	Priority date (day/month/year) 04 DECEMBER 1997
International Patent Classification (IPC) or national classification and IPC IPC(6): A61B 5/00 and US Cl.: 128/630, 671,,200.14,762		
Applicant BATMAN, CAROL JANE		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets.  
☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  
 These annexes consist of a total of 0 sheets.

3. This report contains indications relating to the following items:

- |      |                                     |   |   |
|------|-------------------------------------|---|---|
| I    | <input checked="" type="checkbox"/> | Basis of the report   | <div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> RECEIVED<br/>FEB 14 2000<br/>BARNES &amp; THORNBURG </div> |
| II   | <input type="checkbox"/>            | Priority  |   |
| III  | <input type="checkbox"/>            | Non-establishment of report with regard to novelty, inventive step or industrial applicability  |   |
| IV   | <input type="checkbox"/>            | Lack of unity of invention  |   |
| V    | <input checked="" type="checkbox"/> | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |   |
| VI   | <input checked="" type="checkbox"/> | Certain documents cited   |   |
| VII  | <input type="checkbox"/>            | Certain defects in the international application  |   |
| VIII | <input type="checkbox"/>            | Certain observations on the international application   |   |

Date of submission of the demand  09 JUNE 1999	Date of completion of this report  21 JANUARY 2000
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231  Facsimile No. (703) 305-3230	Authorized officer  ASTA FRANK <i>James R. Matthews</i>  Telephone No. (703) 305-3817



## I. Basis of the report

1. This report has been drawn on the basis of *(Substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments):*

☒ the international application as originally filed.

☒ the description, pages 1-15, as originally filed.

pages NONE, filed with the demand.

pages NONE, filed with the letter of \_\_\_\_\_.

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☒ the claims, Nos. 1-32, as originally filed.

Nos. NONE, as amended under Article 19.

Nos. NONE, filed with the demand.

Nos. NONE, filed with the letter of \_\_\_\_\_.

Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☒ the drawings, sheets/fig 1-44, as originally filed.

sheets/fig NONE, filed with the demand.

sheets/fig NONE, filed with the letter of \_\_\_\_\_.

sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

2. The amendments have resulted in the cancellation of:

☒ the description, pages NONE.

☒ the claims, Nos. NONE.

☒ the drawings, sheets/fig NONE.

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the ~~Supplemental Box~~ Additional observations below (Rule 70.2(c)).

4. Additional observations, if necessary:

NONE

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. STATEMENT**

Novelty (N)	Claims <u>1-32</u>	YES
	Claims <u>NONE</u>	NO
Inventive Step (IS)	Claims <u>NONE</u>	YES
	Claims <u>1-32</u>	NO
Industrial Applicability (IA)	Claims <u>1-32</u>	YES
	Claims <u>NONE</u>	NO

**2. CITATIONS AND EXPLANATIONS**

Claims 1-32 lack an inventive step under PCT Article 33(3) as being obvious over Farrelly (US 5,630,664) in view of Price et al (US 5,606,164).

As per claim 1, Farrelly taught a hand-held instrument for determining the concentration of a medically significant component of body fluid such as controllable electronic instrument (col 2 line 55); the steps of providing a configuring computer having a first port or signal port (col 8 line 3) for transmitting at least one set of instructions and data for configuring the instrument (col 5 line 50); the second port or data port (col 10 line 10).

As per claims 2, 3 and 4, Farrelly taught the steps of providing a configuring computer having a first port for transmitting instructions for configuring the instrument (col 8 line 3, col 5 line 50).

Claims 3,6,7,11-16,26-32 contain the similar limitation as claims 1 and 2. Therefore claims 3,6,7,11-16,26-32 lack an inventive step as being obvious over Farrelly.

Claims 17-19 contain the similar limitation as claim 4.

As per claim 5, Farrelly taught the display (col 8 line 12).

As per claims 6, 23-25, Farrelly did not teach a display in formation related to the determined concentration of a medically significant component of a body fluid from the instrument or first port to computer or second port and updating a computer file. However Price et al, in his method and apparatus for Biological fluid analyte concentration measurement using generalized distance outlier detection, taught an apparatus for biological fluid analyte concentration measurement (Price col 8 line 55). Therefore, it would have been obvious to one having ordinary skill in the art at the time invention was made to incorporate the apparatus which analyte or determine concentration of body fluid taught by Price into the Farrelly's hand-held device in order to utilize the communication between the computer control the data from body fluid to hand held device.

As per claims 8-10, Farrelly-Price taught the computer of hand held computer (Farrelly col 2 line 1) and updating or modification (Farrelly col 16 line 64).

As per claims 29 and 30, Farrelly -Price taught the body fluid (Continued on Supplemental Sheet.)

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PC 98/25850

## VI. Certain documents cited

## 1. Certain published documents (Rule 70.10)

<u>Application No. Patent No.</u>	<u>Publication Date (day/month/year)</u>	<u>Filing Date (day/month/year)</u>	<u>Priority date (valid claim) (day/month/year)</u>
US,A, 5,606,164	25 FEBUARY 1997	16 JANUARY 1996	NONE
US, A, 5,630,664	20 MAY 1997	20 DECEMBER 1995	NONE
US, A, 5,361,336	01 NOVEMBER 1994	21 NOVEMBER 1991	NONE
US, A, 5,368,562	29 NOVEMBER 1994	30 JULY 1993	NONE
US, A, 4,637,403	20JANUARY 1987	14 JUNE 1985	08 APRIL 1985
US, A, 5,619,991	15 APRIL 1997	26 APRIL 1995	NONE

## 2. Non-written disclosures (Rule 70.9)

<u>Kind of non-written disclosure</u>	<u>Date of non-written disclosure (day/month/year)</u>	<u>Date of written disclosure referring to non-written disclosure (day/month/year)</u>
---------------------------------------	--	--

**Supplemental Box**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

V. 2. REASONED STATEMENTS - CITATIONS AND EXPLANATIONS (Continued):  
such as blood (Price col 1 line 42); fiber optic and modem as the inherent features of hand held computer.

## ----- NEW CITATIONS -----

US 5,570,682 A (JOHNSON) 05 November 1996

US 4,696,309 A (STEPHAN) 29 September 1987

US 4,383,534 A (PETERS) 17 May 1983

09/555718

PCT

## REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum)

5727-29185

## Box No. I TITLE OF INVENTION

## INSTRUMENT SETUP UTILITY PROGRAM

## Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

ROCHE DIAGNOSTICS CORPORATION  
9115 Hague Road  
Indianapolis, IN 46250  
US

☐ This person is also inventor.

Telephone No.

(317) 845-2000

Facsimile No.

(317) 576-2883

Teleprinter No.

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant  
for the purposes of:☐all designated  
States☒all designated States except  
the United States of America☐the United States  
of America only☐the States indicated in  
the Supplemental Box

## Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

BATMAN, Carol Jane  
5318 Ochs Avenue  
Indianapolis, IN 46254  
US

This person is:

☐

applicant only

☒

applicant and inventor

☐inventor only (If this check-box  
is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant  
for the purposes of:☐all designated  
States☐all designated States except  
the United States of America☒the United States  
of America only☐the States indicated in  
the Supplemental Box

☒ Further applicants and/or (further) inventors are indicated on a continuation sheet.

## Box No. IV AGENT OR COMMON REPRESENTATIVE: OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

☒

agent

☐

common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

CONARD, Richard D.  
BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, IN 46204  
US

Telephone No.

(317) 236-1313

Facsimile No.

(317) 231-7433

Teleprinter No.

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Continuation of Box No. III OTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

BYRD, Nancy Kennedy  
9758 Chaldean Circle  
Fishers, IN 46038  
US

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

DISHOP, Timothy J.  
4924 Long Canon Place  
Fort Wayne, IN 46804  
US

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

DZADO, Michael Daniel  
1754 CR 60  
Garrett, IN 46738  
US

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

HENDERSON, Les G.  
6345 East 226th Street  
Cicero, IN 46034  
US

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

☒ Further applicants and or (further) inventors are indicated on another continuation sheet.

Continuation of Box No. III

OTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

HOPKINSON, Patricia A.  
HRC #1, Box 11  
Lake Placid, NY 12946  
US

This person is:

☐ applicant only☒ applicant and inventor☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

☐ all designated States☐ all designated States except the United States of America☒ the United States of America only☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

MOAK, Stephen E.  
411 Inwood Drive  
Fort Wayne, IN 46815  
US

This person is:

☐ applicant only☒ applicant and inventor☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

☐ all designated States☐ all designated States except the United States of America☒ the United States of America only☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

PARKER, James R.  
10807 Weston Drive  
Carmel, IN 46032-9321  
US

This person is:

☐ applicant only☒ applicant and inventor☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

☐ all designated States☐ all designated States except the United States of America☒ the United States of America only☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

POLASKI, Frank M.  
10732 Current Cove  
Fort Wayne, IN 46845  
US

This person is:

☐ applicant only☒ applicant and inventor☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

☐ all designated States☐ all designated States except the United States of America☒ the United States of America only☐ the States indicated in the Supplemental Box☒ Further applicants and or (further) inventors are indicated on another continuation sheet.

## Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name, for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**SHEARER, Atwell R.**  
**P.O. Box 165**  
**Rome City, IN 46784**  
**US**

This person is:

☐ applicant only

☒ applicant and inventor

☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

**US**

State (that is, country) of residence:

**US**

This person is applicant for the purposes of:

☐ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name, for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**TETZLAFF, Tracy L.**  
**5607 Elmer Street, Apt. 106**  
**Pittsburgh, PA 15232**  
**US**

This person is:

☐ applicant only

☒ applicant and inventor

☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

**US**

State (that is, country) of residence:

**US**

This person is applicant for the purposes of:

☐ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name, for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**SLY, Lynne Denise**  
**11334 Hickory Woods Drive**  
**Fishers, IN 46038**  
**US**

This person is:

☐ applicant only

☒ applicant and inventor

☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

**US**

State (that is, country) of residence:

**US**

This person is applicant for the purposes of:

☐ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name, for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**KLEM, Kurt Gerard**  
**4325 Cold Spring Road**  
**Indianapolis, IN 46228**  
**US**

This person is:

☐ applicant only

☒ applicant and inventor

☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

**US**

State (that is, country) of residence:

**US**

This person is applicant for the purposes of:

☐ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

☐ Further applicants and or (further) inventors are indicated on another continuation sheet.



# PCT

## GENERAL POWER OF ATTORNEY

(for several international applications filed under the Patent Cooperation Treaty)

(PCT Rule 90.5)

The undersigned person(s) :

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

ROCHE DIAGNOSTICS CORPORATION  
9115 Hague Road  
Indianapolis, IN 46250  
US

hereby appoint(s) the following person as:



agent



common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

COFFEY, William R.; HYLAND, Jerry E.; CONARD, Richard D.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor;  
KULKARNI, Dilip A.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN, Mark M.;  
GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL,  
Robert D.; MARTIN, Alice O.; all Appointed Agents of the Address:

BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, IN 46204  
US

to represent the undersigned before



all the competent International Authorities



the International Searching Authority only



the International Preliminary Examining Authority only

in connection with any and all international applications filed by the undersigned with the following Office

US

and to make or receive payments on behalf of the undersigned. \_\_\_\_\_ as receiving Office

Signature(s) (where there are several persons, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading this power):

  
Law Dept. 

Steve A. Oldham, Vice President, General  
Counsel, and Secretary

Date: 09 02 99  
Day / Month / Year

# PCT

## GENERAL POWER OF ATTORNEY

(for several international applications filed under the Patent Cooperation Treaty)

(PCT Rule 90.5)

The undersigned person(s) :

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

SLY, Lynne Denise

11334 Hickory Woods Drive

Fishers, IN 46038

US

hereby appoint(s) the following person as:

☒ agent

☐ common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

CONARD, Richard D.; COFFEY, William R.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy J.;  
CARTER, R. Trevor; KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.;  
POWLICK, Jill T.; PALAN, Perry; NEWMAN, Mark M.; GILLENWATER, Bobby B.;  
HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerard T.; NULL, Robert D.

All Appointed Agents at the Address:

BARNES & THORNBURG

11 South Meridian Street

Indianapolis, Indiana 46204

US

to represent the undersigned before

☒ all the competent International Authorities

☐ the International Searching Authority only

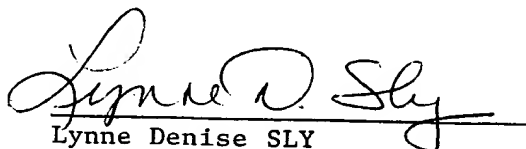
☐ the International Preliminary Examining Authority only

in connection with any and all international applications filed by the undersigned with the following Office

US

and to make or receive payments on behalf of the undersigned. \_\_\_\_\_ as receiving Office

Signature(s) (where there are several persons, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading this power):

  
Lynne Denise SLY

Date:

1 / 2 / 99  
Day / Month / Year

# PCT

## GENERAL POWER OF ATTORNEY

(for several international applications filed under the Patent Cooperation Treaty)

(PCT Rule 90.5)

The undersigned person(s) :

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

KLEM, Kurt Gerard

4325 Cold Spring Road

Indianapolis, IN 46228

US

hereby appoint(s) the following person as:

☒ agent

☐ common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

CONARD, Richard D.; COFFEY, William R.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy J.;  
CARTER, R. Trevor; KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.;  
POWLICK, Jill T.; PALAN, Perry; NEWMAN, Mark M.; GILLENWATER, Bobby B.;  
HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerard T.; NULL, Robert D.

All Appointed Agents at the Address:

BARNES & THORNBURG

11 South Meridian Street

Indianapolis, Indiana 46204

US

to represent the undersigned before

☒ all the competent International Authorities

☐ the International Searching Authority only

☐ the International Preliminary Examining Authority only

in connection with any and all international applications filed by the undersigned with the following Office

US

and to make or receive payments on behalf of the undersigned. \_\_\_\_\_ as receiving Office

Signature(s) (where there are several persons, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading this power):



Kurt Gerard KLEM

Date: 26 / 09  
Day/ Month/ Year

TRANSMITTAL LETTER TO THE  
UNITED STATES RECEIVING OFFICE

Date	04 December 1998
International Application No.	Unknown
Attorney Docket No.	5727-29185

I. Certification under 37 CFR 1.10 (if applicable)

EM481346535US
Express Mail mailing number

04 December 1998
Date of Deposit

I hereby certify that the application/correspondence attached hereto is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D. C. 20231.

<i>Mary Jean Eskridge</i>
Signature of person mailing correspondence

Mary Jean Eskridge
Typed or printed name of person mailing correspondence

II. ☒ New International Application

TITLE	INSTRUMENT SETUP UTILITY PROGRAM	Earliest priority date (Day/Month/Year)
		04.12.97

SCREENING DISCLOSURE INFORMATION: In order to assist in screening the accompanying international application for purposes of determining whether a license for foreign transmittal should and could be granted and for other purposes, the following information is supplied. (Note: check as many boxes as apply):

- A. ☐ The invention disclosed was not made in the United States.
- B. ☐ There is no prior U.S. application relating to this invention.
- C. ☒ The following prior U.S. application(s) contain subject matter which is related to the invention disclosed in the attached international application. (NOTE: priority to these applications may or may not be claimed on form PCT/RO/101 (Request) and this listing does not constitute a claim for priority)

application no.	60/067,499	filed on	04 December 1997
application no.		filed on	

- D. ☒ The present international application ☒ is substantially identical to ☐ contains less subject matter than that found in the prior U.S. application(s) identified in paragraph C above.
- E. ☐ The present international application ☐ contains additional subject matter not found in the prior U.S. application(s) identified in paragraph C above. The additional subject matter is found on pages \_\_\_\_\_ and ☐ DOES NOT ALTER ☐ MIGHT BE CONSIDERED TO ALTER the general nature of the invention in a manner which would require the U.S. application to have been made available for inspection by the appropriate defense agencies under 35 U.S.C. 181 and 37 CFR 5.1. See 37 CFR 5.15.

III. ☐ A Response to an Invitation from the RO/US. The following document(s) is(are) enclosed:

- A. ☐ A Request for An Extension of Time to File a Response
- B. ☐ A Power of Attorney (General or Regular)
- C. ☐ Replacement pages:

pages		of the request (PCT/RO/101)	pages		of the figures
pages		of the description	pages		of the abstract
pages		of the claims			

- D. ☐ Submission of Priority Documents

Priority document		Priority document	
-------------------	--	-------------------	--

- E. ☐ Fees as specified on attached Fee Calculation sheet form PCT/RO/101 annex

IV. ☐ A Request for Rectification under PCT Rule 91

☐ A Petition

☐ A Sequence Listing Diskette

V. ☐ Other (please identify):

The person  
signing this  
form is the:

<input type="checkbox"/> Applicant	Richard D. Conard
<input checked="" type="checkbox"/> Attorney Agent (Reg. No.) 27321	Typed name of signer
<input type="checkbox"/> Common Representative	<i>Richard D. Conard</i> Signature

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum) 5727-29185

Box No. I TITLE OF INVENTION

INSTRUMENT SETUP UTILITY PROGRAM

Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

BATMAN, Carol Jane  
5318 Ochs Avenue  
Indianapolis, IN 46254  
US

☒ This person is also inventor.

Telephone No.

(317) 328-8218

Facsimile No.

Teleprinter No.

State (that is, country) of nationality:  
US

State (that is, country) of residence:  
US

This person is applicant for the purposes of: ☒ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

BYRD, Nancy Kennedy  
9758 Chaldean Circle  
Fishers, IN 46038  
US

This person is:

☐ applicant only

☒ applicant and inventor

☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
US

State (that is, country) of residence:  
US

This person is applicant for the purposes of: ☒ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

☒ Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE: OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

☒ agent ☐ common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

CONARD, Richard D.  
BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, IN 46204  
US

Telephone No.

(317) 236-1313

Facsimile No.

(317) 231-7433

Teleprinter No.

☐ Address for correspondence: Mark this check-box where no agent or common representative has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Continuation of Box No. III - FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)	
If none of the following sub-boxes is used, this sheet should not be included in the request.	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p> <p><b>DISHOP, Timothy J.</b>  <b>4924 Long Canon Place</b>  <b>Fort Wayne, IN 46804</b>  <b>US</b></p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
<p>State (that is, country) of nationality:</p> <p><b>US</b></p>	<p>State (that is, country) of residence:</p> <p><b>US</b></p>
<p>This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p> <p><b>DZADO, Michael Daniel</b>  <b>1754 CR 60</b>  <b>Garrett, IN 46738</b>  <b>US</b></p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
<p>State (that is, country) of nationality:</p> <p><b>US</b></p>	<p>State (that is, country) of residence:</p> <p><b>US</b></p>
<p>This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p> <p><b>HENDERSON, Les G.</b>  <b>6345 East 226th Street</b>  <b>Cicero, IN 46034</b>  <b>US</b></p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
<p>State (that is, country) of nationality:</p> <p><b>US</b></p>	<p>State (that is, country) of residence:</p> <p><b>US</b></p>
<p>This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p> <p><b>HOPKINSON, Patricia A.</b>  <b>HRC #1, Box 11</b>  <b>Lake Placid, NY 12946</b>  <b>US</b></p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
<p>State (that is, country) of nationality:</p> <p><b>US</b></p>	<p>State (that is, country) of residence:</p> <p><b>US</b></p>
<p>This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	

☒ Further applicants and or (further) inventors are indicated on another continuation sheet.

## Continuation of Box No. 1. FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**MOAK, Stephen E.**  
**411 Inwood Drive**  
**Fort Wayne, IN 46815**  
**US**

This person is:

- ☐ applicant only
- ☒ applicant and inventor
- ☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

- ☒ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**PARKER, James R.**  
**10807 Weston Drive**  
**Carmel, IN 46032-9321**  
**US**

This person is:

- ☐ applicant only
- ☒ applicant and inventor
- ☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

- ☒ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**POLASKI, Frank M.**  
**10732 Current Cove**  
**Fort Wayne, IN 46845**  
**US**

This person is:

- ☐ applicant only
- ☒ applicant and inventor
- ☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

- ☒ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**SHEARER, Atwell R.**  
**P.O. Box 165**  
**Rome City, IN 46784**  
**US**

This person is:

- ☐ applicant only
- ☒ applicant and inventor
- ☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

- ☒ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

☒ Further applicants and or (further) inventors are indicated on another continuation sheet.

Continuation of Box No. 1 <b>FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)</b>	
<i>If none of the following sub-boxes is used, this sheet should not be included in the request.</i>	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p> <p><b>TETZLAFF, Tracy L.</b>  <b>121 West Hamilton</b>  <b>Fort Wayne, IN 46804</b>  <b>US</b></p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
State (that is, country) of nationality: <b>US</b>	State (that is, country) of residence: <b>US</b>
<p>This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
State (that is, country) of nationality:	State (that is, country) of residence:
<p>This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
State (that is, country) of nationality:	State (that is, country) of residence:
<p>This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p>
State (that is, country) of nationality:	State (that is, country) of residence:
<p>This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><input type="checkbox"/> Further applicants and or (further) inventors are indicated on another continuation sheet.</p>	



## Box No. V DESIGNATION OF STATES

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

### Regional Patent

- ☒ **AP ARIPO Patent:** GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SZ Swaziland, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☒ **EA Eurasian Patent:** AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ **EP European Patent:** AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ **OA OAPI Patent:** BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line) **GW Guinea-Bissau**

**National Patent** (if other kind of protection or treatment desired, specify on dotted line):

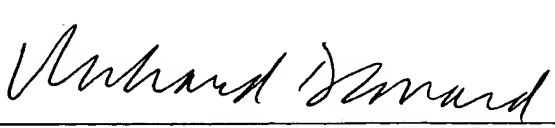
- |   |   |  |   |
|---|---|--|---|
| <input checked="" type="checkbox"/> AL            | Albania                                 | <input checked="" type="checkbox"/> LS | Lesotho                                   |
| <input checked="" type="checkbox"/> AM            | Armenia                                 | <input checked="" type="checkbox"/> LT | Lithuania                                 |
| <input checked="" type="checkbox"/> AT            | Austria                                 | <input checked="" type="checkbox"/> LU | Luxembourg                                |
| <input checked="" type="checkbox"/> AU            | Australia                               | <input checked="" type="checkbox"/> LV | Latvia                                    |
| <input checked="" type="checkbox"/> AZ            | Azerbaijan                              | <input checked="" type="checkbox"/> MD | Republic of Moldova                       |
| <input checked="" type="checkbox"/> BA            | Bosnia and Herzegovina                  | <input checked="" type="checkbox"/> MG | Madagascar                                |
| <input checked="" type="checkbox"/> BB            | Barbados                                | <input checked="" type="checkbox"/> MK | The former Yugoslav Republic of Macedonia |
| <input checked="" type="checkbox"/> BG            | Bulgaria                                | <input checked="" type="checkbox"/> MN | Mongolia                                  |
| <input checked="" type="checkbox"/> BR            | Brazil                                  | <input checked="" type="checkbox"/> MW | Malawi                                    |
| <input checked="" type="checkbox"/> BY            | Belarus                                 | <input checked="" type="checkbox"/> MX | Mexico                                    |
| <input checked="" type="checkbox"/> CA            | Canada                                  | <input checked="" type="checkbox"/> NO | Norway                                    |
| <input checked="" type="checkbox"/> CH and LI     | Switzerland and Liechtenstein           | <input checked="" type="checkbox"/> NZ | New Zealand                               |
| <input checked="" type="checkbox"/> CN            | China                                   | <input checked="" type="checkbox"/> PL | Poland                                    |
| <input checked="" type="checkbox"/> CU            | Cuba                                    | <input checked="" type="checkbox"/> PT | Portugal                                  |
| <input checked="" type="checkbox"/> CZ            | Czech Republic                          | <input checked="" type="checkbox"/> RO | Romania                                   |
| <input checked="" type="checkbox"/> DE            | Germany                                 | <input checked="" type="checkbox"/> RU | Russian Federation                        |
| <input checked="" type="checkbox"/> DK            | Denmark                                 | <input checked="" type="checkbox"/> SD | Sudan                                     |
| <input checked="" type="checkbox"/> EE            | Estonia                                 | <input checked="" type="checkbox"/> SE | Sweden                                    |
| <input checked="" type="checkbox"/> ES            | Spain                                   | <input checked="" type="checkbox"/> SG | Singapore                                 |
| <input checked="" type="checkbox"/> FI            | Finland                                 | <input checked="" type="checkbox"/> SI | Slovenia                                  |
| <input checked="" type="checkbox"/> GB            | United Kingdom                          | <input checked="" type="checkbox"/> SK | Slovakia                                  |
| <input checked="" type="checkbox"/> GE            | Georgia                                 | <input checked="" type="checkbox"/> SL | Sierra Leone                              |
| <input checked="" type="checkbox"/> GH            | Ghana                                   | <input checked="" type="checkbox"/> TJ | Tajikistan                                |
| <input checked="" type="checkbox"/> GM            | Gambia                                  | <input checked="" type="checkbox"/> TM | Turkmenistan                              |
| <input checked="" type="checkbox"/> <del>XX</del> | <del>XXXXXXXXXXXXXXXXXXXXXXXXXXXX</del> | <input checked="" type="checkbox"/> TR | Turkey                                    |
| <input checked="" type="checkbox"/> HR            | Croatia                                 | <input checked="" type="checkbox"/> TT | Trinidad and Tobago                       |
| <input checked="" type="checkbox"/> HU            | Hungary                                 | <input checked="" type="checkbox"/> UA | Ukraine                                   |
| <input checked="" type="checkbox"/> ID            | Indonesia                               | <input checked="" type="checkbox"/> UG | Uganda                                    |
| <input checked="" type="checkbox"/> IL            | Israel                                  | <input checked="" type="checkbox"/> US | United States of America                  |
| <input checked="" type="checkbox"/> IS            | Iceland                                 | <input checked="" type="checkbox"/> UZ | Uzbekistan                                |
| <input checked="" type="checkbox"/> JP            | Japan                                   | <input checked="" type="checkbox"/> VN | Viet Nam                                  |
| <input checked="" type="checkbox"/> KE            | Kenya                                   | <input checked="" type="checkbox"/> YU | Yugoslavia                                |
| <input checked="" type="checkbox"/> KG            | Kyrgyzstan                              | <input checked="" type="checkbox"/> ZW | Zimbabwe                                  |
| <input checked="" type="checkbox"/> KP            | Democratic People's Republic of Korea   |  |   |
| <input checked="" type="checkbox"/> KR            | Republic of Korea                       |  |   |
| <input checked="" type="checkbox"/> KZ            | Kazakhstan                              |  |   |
| <input checked="" type="checkbox"/> LC            | Saint Lucia                             |  |   |
| <input checked="" type="checkbox"/> LK            | Sri Lanka                               |  |   |
| <input checked="" type="checkbox"/> LR            | Liberia                                 |  |   |
- Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT at issuance of this sheet:

☒ GD Grenada

☐

Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet:

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. *(Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)*

<b>Box No. VI PRIORITY</b>		<input type="checkbox"/> Further priority claims are indicated in the Supplemental Box.		
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country	regional application: regional Office	international application: receiving Office
item (1) (04.12.97) 04 December 1997	60/067,499	US		
item (2)				
item (3)				
<input checked="" type="checkbox"/> The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s): (1)				
<small>* Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.</small>				
<b>Box No. VII INTERNATIONAL SEARCHING AUTHORITY</b>				
<b>Choice of International Searching Authority (ISA)</b> <small>(if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):</small>		<b>Request to use results of earlier search: reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):</b> Date (day/month/year)      Number      Country (or regional Office)		
ISA / US				
<b>Box No. VIII CHECK LIST: LANGUAGE OF FILING</b>				
This international application contains the following number of sheets: request : 6 description (excluding sequence listing part) : 15 claims : 4 abstract : 1 drawings : 44 sequence listing part of description : 0 Total number of sheets : 70		This international application is accompanied by the item(s) marked below: 1. <input checked="" type="checkbox"/> fee calculation sheet 2. <input checked="" type="checkbox"/> separate signed power of attorney 3. <input type="checkbox"/> copy of general power of attorney; reference number, if any: 4. <input type="checkbox"/> statement explaining lack of signature 5. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s): 6. <input type="checkbox"/> translation of international application into (language): 7. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material 8. <input type="checkbox"/> nucleotide and/or amino acid sequence listing in computer readable form 9. <input checked="" type="checkbox"/> other (specify): <b>Transmittal Letter to the US/RO Return Postal Card</b>		
Figure of the drawings which should accompany the abstract:		Language of filing of the international application: <b>English</b>		
<b>Box No. IX SIGNATURE OF APPLICANT OR AGENT</b>				
<small>Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).</small>				
 <b>Richard D. Conard, Agent for Applicants</b>				

<b>For receiving Office use only</b>			
1. Date of actual receipt of the purported international application:		2. Drawings:	
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:		<input type="checkbox"/> received:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):		<input type="checkbox"/> not received:	
5. International Searching Authority (if two or more are competent): <b>ISA /</b>	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid.		

<b>For International Bureau use only</b>
Date of receipt of the record copy by the International Bureau:

# PCT

## POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

BATMAN, Carol Jane  
5318 Ochs Avenue  
Indianapolis, IN 46254  
US

hereby appoints (appoint) the following person as:

☒ agent

☐ common representative

### Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  
CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor;  
KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN,  
Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL,  
Robert D.; all Appointed Agents at the Address:

BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, Indiana 46204  
US

to represent the undersigned before

☒ all the competent International Authorities

☐ the International Searching Authority only

☐ the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: INSTRUMENT SETUP UTILITY PROGRAM

Applicant's or agent's file reference: 5727-29185

International application number (if already available): PCT/US98/25850

filed with the following Office US as receiving Office  
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

  
Carol Jane BATMAN

Date: 10 12 98  
Day/ Month/ Year

# PCT

## POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

BYRD, Nancy Kennedy  
9758 Chaldean Circle  
Fishers, IN 46038  
US

hereby appoints (appoint) the following person as:



agent



common representative

### Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  
CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor;  
KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN,  
Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL,  
Robert D.; all Appointed Agents at the Address:

BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, Indiana 46204  
US

to represent the undersigned before



all the competent International Authorities



the International Searching Authority only



the International Preliminary Examining Authority only

in connection with the international application identified below:


Title of the invention: INSTRUMENT SETUP UTILITY PROGRAM

Applicant's or agent's file reference: 5727-29185

International application number (if already available): PCT/US98/25850

filed with the following Office US as receiving Office  
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

  
Nancy Kennedy BYRD

Date: 30-12-98  
Day/ Month/ Year

# PCT

## POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

DISHOP, Timothy J.  
4924 Long Canon Place  
Fort Wayne, IN 46804  
US

hereby appoints (appoint) the following person as:

☒ agent

☐ common representative

**Name and address**

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  
CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor;  
KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN,  
Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL,  
Robert D.; all Appointed Agents at the Address:  
BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, Indiana 46204  
US

to represent the undersigned before

☒ all the competent International Authorities

☐ the International Searching Authority only

☐ the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: **INSTRUMENT SETUP UTILITY PROGRAM**

Applicant's or agent's file reference: **5727-29185**

International application number (if already available): **PCT/US98/25850**

filed with the following Office US as receiving Office  
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

Timothy J. Dishop  
Timothy J. DISHOP

Date: 16 / 02 / 1999  
Day/ Month/ Year

# PCT

## POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

DZADO, Michael Daniel  
1754 CR 60  
Garrett, IN 46738  
US

hereby appoints (appoint) the following person as:

☒ agent

☐ common representative

### Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  
CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor;  
KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN,  
Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL,  
Robert D.; all Appointed Agents at the Address:

BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, Indiana 46204  
US

to represent the undersigned before

☒ all the competent International Authorities

☐ the International Searching Authority only

☐ the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: **INSTRUMENT SETUP UTILITY PROGRAM**

Applicant's or agent's file reference: **5727-29185**

International application number (if already available): **PCT/US98/25850**

filed with the following Office US as receiving Office  
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

Michael Daniel Dzado  
Michael Daniel DZADO

(18.02.99)  
Date: 16 Feb 99  
Day/ Month/ Year

# PCT

## POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

HENDERSON, Les G.  
6345 East 226th Street  
Cicero, IN 46034  
US

hereby appoints (appoint) the following person as:



agent



common representative

### Name and address

(Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country.)  
CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor;  
KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN,  
Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL,  
Robert D.; all Appointed Agents at the Address:

BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, Indiana 46204  
US

to represent the undersigned before



all the competent International Authorities



the International Searching Authority only



the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: **INSTRUMENT SETUP UTILITY PROGRAM**

Applicant's or agent's file reference: **5727-29185**

International application number (if already available): **PCT/US98/25850**

filed with the following Office US as receiving Office  
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several applicants, each of them must sign: next to each signature, indicate the name of the person signing and the capacity in which the person signs. If such capacity is not obvious from reading the request or this power):

  
Les G. HENDERSON

Date: 12 JAN / 1999  
Day/ Month/ Year

# PCT

## POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

HOPKINSON, Patricia A.  
HRC #1, Box 11  
Lake Placid, NY 12946  
US

hereby appoints (appoint) the following person as:



agent



common representative

**Name and address**

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.; NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor; KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN, Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZBYOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL, Robert D.; all Appointed Agents at the Address:

BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, Indiana 46204  
US

to represent the undersigned before



all the competent International Authorities



the International Searching Authority only



the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: **INSTRUMENT SETUP UTILITY PROGRAM**

Applicant's or agent's file reference: **5727-29185**

International application number (if already available): **PCT/US98/25850**

filed with the following Office US as receiving Office  
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

Patricia A. Hopkinson  
Patricia A. HOPKINSON

Date:

4 / 2 / 99  
Day/ Month/ Year



# PCT

## POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

MOAK, Stephen E.  
411 Inwood Drive  
Fort Wayne, IN 46815  
US

hereby appoints (appoint) the following person as:



agent



common representative

### Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  
CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor;  
KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN,  
Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL,  
Robert D.; all Appointed Agents at the Address:

BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, Indiana 46204  
US

to represent the undersigned before



all the competent International Authorities



the International Searching Authority only



the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: **INSTRUMENT SETUP UTILITY PROGRAM**

Applicant's or agent's file reference: **5727-29185**

International application number (if already available): **PCT/US98/ 25850**

filed with the following Office US  
and to make or receive payments on behalf of the undersigned.

as receiving Office

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

Stephen E. Moak  
Stephen E. MOAK

Date: 16/2/1999  
Day/ Month/ Year

# PCT

## POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

PARKER, James R.  
10807 Weston Drive  
Carmel, IN 46032-9321  
US

hereby appoints (appoint) the following person as:

☒ agent

☐ common representative

### Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor;  
KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry, NEWMAN,  
Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL,  
Robert D.; all Appointed Agents at the Address:

BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, Indiana 46204  
US

to represent the undersigned before

☒ all the competent International Authorities

☐ the International Searching Authority only

☐ the International Preliminary Examining Authority only

in connection with the international application identified below:

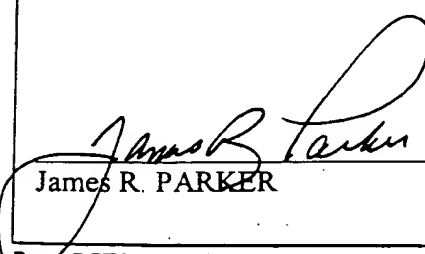
Title of the invention: INSTRUMENT SETUP UTILITY PROGRAM

Applicant's or agent's file reference: 5727-29185

International application number (if already available): PCT/US98/25850

filed with the following Office US as receiving Office  
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

  
James R. PARKER

Date: 10 DEC - 98  
Day/ Month/ Year

# PCT

## POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

POLASKI, Frank M.  
10732 Current Cove  
Fort Wayne, IN 46845  
US

hereby appoints (appoint) the following person as:



agent



common representative

**Name and address**

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  
CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor;  
KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN,  
Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL,  
Robert D.; all Appointed Agents at the Address:

BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, Indiana 46204  
US

to represent the undersigned before



all the competent International Authorities



the International Searching Authority only



the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: **INSTRUMENT SETUP UTILITY PROGRAM**

Applicant's or agent's file reference: **5727-29185**

International application number (if already available): **PCT/US98/25850**

filed with the following Office US  
and to make or receive payments on behalf of the undersigned.

as receiving Office

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

  
Frank M. POLASKI

Date: 16 / 2 / 1999  
Day/ Month/ Year

# PCT

## POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

SHEARER, Atwell R.  
P.O. Box 165  
Rome City, IN 46784  
US

hereby appoints (appoint) the following person as:



agent



common representative

### Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  
CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.;  
NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor;  
KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN,  
Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL,  
Robert D.; all Appointed Agents at the Address:

BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, Indiana 46204  
US

to represent the undersigned before



all the competent International Authorities



the International Searching Authority only



the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: **INSTRUMENT SETUP UTILITY PROGRAM**

Applicant's or agent's file reference: **5727-29185**

International application number (if already available): **PCT/US98/25850**

filed with the following Office US  
and to make or receive payments on behalf of the undersigned.

as receiving Office

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):



Atwell R. SHEARER

Date:

16 / 2 / 99

Day/ Month/ Year

# PCT

## POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

TETZLAFF, Tracy L.  
5607 Elmer Street  
Apt. 106  
Pittsburgh, PA 15232  
US

hereby appoints (appoint) the following person as:

☒ agent

☐ common representative

**Name and address**

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.; NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor; KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN, Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL, Robert D.; all Appointed Agents at the Address:

BARNES & THORNBURG  
11 South Meridian Street  
Indianapolis, Indiana 46204  
US

to represent the undersigned before

☒ all the competent International Authorities

☐ the International Searching Authority only

☐ the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: INSTRUMENT SETUP UTILITY PROGRAM

Applicant's or agent's file reference: 5727-29185

International application number (if already available): PCT/US98/25850

filed with the following Office US as receiving Office  
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

  
Tracy L. TETZLAFF

Date:

10/2/999  
Day/ Month/ Year

## PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: RICHARD D. CONARD  
BARNES & THORNBURG  
11 SOUTH MERIDIAN STREET  
INDIANAPOLIS, IN 46204

**RECEIVED**

MAY 17 1999

BARNES & THORNBURG

FOR

BY

DATE

DATE

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT  
OR THE DECLARATION

(PCT Rule 44.1)

Date of Mailing  
(day/month/year)

11 MAY 1999

Applicant's or agent's file reference

5727-29185

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.

PCT/US98/25850

International filing date  
(day/month/year)

04 DECEMBER 1998

Applicant

BATMAN, CAROL JANE

1. ☒ The applicant is hereby notified that the international search report has been established and is transmitted herewith.

**Filing of amendments and statement under Article 19:**

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

**When?** The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet.

**Where?** Directly to the International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland  
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.  
☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

ASTA, FRANK

Telephone No. (703) 305-3817

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 5727-29185	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">FOR FURTHER ACTION</div> <div>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</div> </div>	
International application No. PCT/US98/25850	International filing date (day/month/year) 04 DECEMBER 1998	(Earliest) Priority Date (day/month/year) 04 DECEMBER 1997
Applicant BATMAN, CAROL JANE		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (See Box I).
  
2. ☐ Unity of invention is lacking (See Box II).
  
3. ☐ The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing
 

☐ filed with the international application.  
☐ furnished by the applicant separately from the international application,  

☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.

☐ transcribed by this Authority.
  
4. With regard to the title, ☒ the text is approved as submitted by the applicant.  
☐ the text has been established by this Authority to read as follows:
  
  
5. With regard to the abstract,
 

☒ the text is approved as submitted by the applicant.  
☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
  
6. The figure of the drawings to be published with the abstract is:  
 Figure No. 1

☐ as suggested by the applicant.  
☐ because the applicant failed to suggest a figure.  
☒ because this figure better characterizes the invention.

☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US98/25850

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(6) : A61B 5/00

US CL : 128/630

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 128/630, 128/695, 128/770, 128/202.22, 395/275, 250/339.09, 128/696, 604/65, 128/775

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

APS, Internet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,361,336 A (ATCHISON) 01 November 1994, abstract, col 2 line 66-68, col 4 line 29, col 6 line 42	1-32
Y	US 5,606,164 A (PRICE) 25 February 1997, abstract	1-32
Y	US 5,619,991 A (SLOANE) 15 April 1997 col 6 line 15, col 8 line 46, 59	1-32
A	US 5,630,664 A (FARRELLY) 20 May 1997	1-32
A	US 4,637,403 A (GARCIA ET AL) 20 January 1987	1-32
A,P	US 5,724,983 A (SELKER ET AL) 10 March 1998	1-32

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
*A* document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
*E* earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*A* document member of the same patent family
*O* document referring to an oral disclosure, use, exhibition or other means	
*P* document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

08 APRIL 1999

Date of mailing of the international search report

11 MAY 1999

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

ASTA, FRANK

Telephone No. (703) 305-3817



# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US98/25850

## C<sup>i</sup> (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,368,562 A (BLOMQUIST ET AL), 29 November 1994	1-32
A,P	US 5,735,285 (ALBERT ET AL), 07 April 1998	1-32

**PCT**

**NOTIFICATION OF ELECTION**

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

United States Patent and Trademark  
Office  
(Box PCT)  
Crystal Plaza 2  
Washington, DC 20231  
ÉTATS-UNIS D'AMÉRIQUE

in its capacity as elected Office

<b>Date of mailing</b> (day/month/year) 08 July 1999 (08.07.99)	
<b>International application No.</b> PCT/US98/25850	<b>Applicant's or agent's file reference</b> 5727-29185
<b>International filing date</b> (day/month/year) 04 December 1998 (04.12.98)	<b>Priority date</b> (day/month/year) 04 December 1997 (04.12.97)
<b>Applicant</b> BATMAN, Carol, Jane et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

09 June 1999 (09.06.99)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

<b>The International Bureau of WIPO</b> 34, chemin des Colombettes 1211 Geneva 20, Switzerland	<b>Authorized officer</b> C. Carrié
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38